

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

PATENT APPLICATION

5 entitled: SPRAYING BOWL, SPRAYING DEVICE INCORPORATING
 SUCH A BOWL AND SPRAYING INSTALLATION
 INCORPORATING SUCH A DEVICE

10 assigned to: SAMES TECHNOLOGIES

ABSTRACT OF THE DISCLOSURE

15 The bowl according to the invention is provided with magnetic elements
disposed around a male part which is adapted to be engaged in a central channel
of a drive member, the magnetic elements forming outer radial flanges with
respect to this male part.

 In the spraying device, the bowl is associated with a drive rotor, magnetic
20 coupling means being provided which comprise magnetic bodies disposed on
either side of at least one magnet borne by the rotor, while the bowl bears ribs
formed in a magnetic material.

 The effort of magnetic coupling obtained has a radial component with
respect to the axis of rotation of the bowl.